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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS	3	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	4	MAR 31	CA/CAPplus and CASREACT patent number format for U.S. applications updated
NEWS	5	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	6	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	7	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	8	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	9	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	10	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	11	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS	12	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	13	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	14	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	15	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	16	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	17	JUN 25	CA/CAPplus and USPAT databases updated with IPC reclassification data
NEWS	18	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS	19	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS	20	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS	21	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS	22	JUL 28	CA/CAPplus patent coverage enhanced
NEWS	23	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS	24	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS	25	JUL 28	STN Viewer performance improved
NEWS	26	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:21:34 ON 07 AUG 2008

=>

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'HCAPLUS' ENTERED AT 12:21:48 ON 07 AUG 2008

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FILE COVERS 1907 - 7 Aug 2008 VOL 149 ISS 6

FILE LAST UPDATED: 6 Aug 2008 (20080806/ED)

HCAPlus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s methylphenidate melatonin adhd

2313 METHYLPHENIDATE

15197 MELATONIN

1533 ADHD

L1 0 METHYLPHENIDATE MELATONIN ADHD

(METHYLPHENIDATE(W)MELATONIN(W)ADHD)

=> s methylphenidate and melatonin and adhd

2313 METHYLPHENIDATE

15197 MELATONIN

1533 ADHD

L2 2 METHYLPHENIDATE AND MELATONIN AND ADHD

=> d 12

L2 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN
 AN 2004:287781 HCAPLUS
 DN 140:281402
 TI Combined use of methylphenidate and melatonin for
 treating attention-deficit hyperactive disorder
 IN Kruisinga, Roelof Johannes Hendrik
 PA Pooger Properties Limited, UK
 SO PCT Int. Appl., 13 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004028532	A1	20040408	WO 2003-EP10827	20030926
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2500198	A1	20040408	CA 2003-2500198	20030926
	AU 2003270292	A1	20040419	AU 2003-270292	20030926
	EP 1545511	A1	20050629	EP 2003-750659	20030926
	EP 1545511	B1	20070509		
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	AT 361747	T	20070615	AT 2003-750659	20030926
	ES 2287512	T3	20071216	ES 2003-750659	20030926
	US 20060167050	A1	20060727	US 2006-529341	20060213
PRAI	EP 2002-21810	A	20020926		
	WO 2003-EP10827	W	20030926		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 12 2

L2 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN
 AN 2002:878171 HCAPLUS
 DN 139:750
 TI Atomoxetine increases extracellular levels of norepinephrine and dopamine
 in prefrontal cortex of rat: a potential mechanism for efficacy in
 Attention Deficit/Hyperactivity Disorder
 AU Bymaster, Frank P.; Katner, Jason S.; Nelson, David L.; Hemrick-Luecke,
 Susan K.; Threlkeld, Penny G.; Heiligenstein, John H.; Morin, S. Michelle;
 Gehlert, Donald R.; Perry, Kenneth W.
 CS Neuroscience Research Division, Lilly Research Laboratories, Indianapolis,
 IN, USA
 SO Neuropsychopharmacology (2002), 27(5), 699-711
 CODEN: NEROEW; ISSN: 0893-133X
 PB Elsevier Science Inc.
 DT Journal
 LA English
 RE.CNT 88 THERE ARE 88 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 12 2 ibib abs

L2 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:878171 HCAPLUS

DOCUMENT NUMBER: 139:750

TITLE: Atomoxetine increases extracellular levels of norepinephrine and dopamine in prefrontal cortex of rat: a potential mechanism for efficacy in Attention Deficit/Hyperactivity Disorder

AUTHOR(S): Bymaster, Frank P.; Katner, Jason S.; Nelson, David L.; Hemrick-Luecke, Susan K.; Threlkeld, Penny G.; Heiligenstein, John H.; Morin, S. Michelle; Gehlert, Donald R.; Perry, Kenneth W.

CORPORATE SOURCE: Neuroscience Research Division, Lilly Research Laboratories, Indianapolis, IN, USA

SOURCE: Neuropsychopharmacology (2002), 27(5), 699-711
CODEN: NEROEW; ISSN: 0893-133X

PUBLISHER: Elsevier Science Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The selective norepinephrine (NE) transporter inhibitor atomoxetine (formerly called tomoxetine or LY139603) has been shown to alleviate symptoms in Attention Deficit/Hyperactivity Disorder (ADHD). We investigated the mechanism of action of atomoxetine in ADHD by evaluating the interaction of atomoxetine with monoamine transporters the effects on extracellular levels of monoamines, and the expression of the neuronal activity marker Fos in brain regions. Atomoxetine inhibited binding of radioligands to clonal cell lines transfected with human NE, serotonin (5-HT) and dopamine (DA) transporters with dissociation constants. (K_i) values of 5, 77 and 1451 nM, resp., demonstrating selectivity for NE transporters. In microdialysis studies, atomoxetine increased extracellular (EX) levels of NE in prefrontal cortex (PFC) 3-fold, but did not alter 5-HT levels. Atomoxetine also increased DAEX concns. in PFC 3-fold, but did not alter DAEX in striatum or nucleus accumbens. In contrast, the psychostimulant methylphenidate, which is used in ADHD therapy, increased NEEX and DAEX equally in PFC, but also increased DAEX in the striatum and nucleus accumbens to the same level. The expression of the neuronal activity marker Fos was increased 3.7-fold in PFC by atomoxetine administration, but was not increased in the striatum or nucleus accumbens, consistent with the regional distribution of increased DAEX. We hypothesize that the atomoxetine-induced increase of catecholamines in PFC, a region involved in attention and memory, mediates the therapeutic effects of atomoxetine in ADHD. In contrast to methylphenidate, atomoxetine did not increase DA in striatum or nucleus accumbens, suggesting it would not have motoric or drug abuse liabilities.

REFERENCE COUNT: 88 THERE ARE 88 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s melatonin and adhd
15197 MELATONIN
1533 ADHD

L3 7 MELATONIN AND ADHD

=> d 13 1-7 abs ibib

L3 ANSWER 1 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN

AB A review. In recent years, there has been a growing interest in sleep problems associated with attention-deficit/hyperactivity disorder (ADHD). The etiol. of these sleep problems is multifactorial. In

this paper, we review the current literature on the treatment of the most common disorders or factors underlying sleep problems associated with ADHD. In particular, we focus on the management of sleep problems associated with ADHD medications, restless legs syndrome, excessive nocturnal motricity in sleep, sleep disordered breathing, sleep-onset insomnia and psychiatric comorbidities associated with ADHD. Given the paucity of randomized, controlled, double-blinded, placebo-controlled studies, it is hoped that this review will encourage further methodol. sound studies in order to be able to develop treatment guidelines.

ACCESSION NUMBER: 2007:1382103 HCAPLUS
DOCUMENT NUMBER: 148:486114
TITLE: Sleep problems associated with ADHD: a review of current therapeutic options and recommendations for the future
AUTHOR(S): Lecendreux, Michel; Cortese, Samuele
CORPORATE SOURCE: Centre Pediatrique des Pathologies du Sommeil, Hopital Robert Debre, Paris, 75019, Fr.
SOURCE: Expert Review of Neurotherapeutics (2007), 7(12), 1799-1806
CODEN: ERNXAR; ISSN: 1473-7175
PUBLISHER: Future Drugs Ltd.
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN

AB The present invention relates to a method for determining likelihood of an individual of developing a psychiatric disorder by screening for polymorphisms in ASMT and AANAT genes. Polymorphisms in ASMT gene encoding acetyl serotonin methyltransferase and AANAT gene encoding arylalkylamine acetyltransferase decrease melatonin synthesis and are associated with psychiatric disorders. Psychiatric disorder may include autism spectrum disorders (ASD), attention deficits and hyperactivity disorder (ADHD) and anorexia.

ACCESSION NUMBER: 2007:426710 HCAPLUS
DOCUMENT NUMBER: 146:439790
TITLE: Polymorphisms in ASMT and AANAT genes decreasing melatonin synthesis and conferring susceptibility to psychiatric disorders and methods for diagnosis and treatment
INVENTOR(S): Launay, Jean-Marie; Melke, Jonas; Bourgeron, Thomas; Leboyer, Marion; Goubran-Botros, Hany; Gillberg, Christopher
PATENT ASSIGNEE(S): Institut Pasteur, Fr.
SOURCE: Can. Pat. Appl., 49pp.
CODEN: CPXXEB
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CA 2523399	A1	20070414	CA 2005-2523399	20051014
CA 2564064	A1	20070414	CA 2006-2564064	20061013
CA 2625639	A1	20070510	CA 2006-2625639	20061013
WO 2007052166	A2	20070510	WO 2006-IB3935	20061013
WO 2007052166	A3	20071004		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,				

KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,
 MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,
 RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,
 UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
 EP 1948830 A2 20080730 EP 2006-842364 20061013
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR
 PRIORITY APPLN. INFO.: CA 2005-2523399 A 20051014
 WO 2006-IB3935 W 20061013

L3 ANSWER 3 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN
 AB Idiopathic chronic sleep onset insomnia (SOI) in children with
 Attention-Deficit/Hyperactivity Disorder (ADHD) shows typical
 characteristics of the delayed sleep phase syndrome and could, therefore,
 be considered a circadian rhythm sleep disorder. A variable number tandem
 repeat (VNTR) polymorphism of the clock gene PER3 is associated with the
 delayed sleep phase syndrome and, hence, may associate with ADHD
 -related chronic SOI as well. Here, we investigated an association between
 ADHD-related chronic SOI and the VNTR polymorphism of PER3 in 10
 medication naive children with rigorously diagnosed ADHD and SOI
 (ADHD-SOI), and in 10 normal controls. Actigraphic sleep onset
 and sleep duration and salivary dim light melatonin onset (DLMO)
 were evaluated in ADHD-SOI. The 4-repeat allele frequency was
 lower in ADHD-SOI (0.65) than in normal controls (0.75) ($p =$
 0.73) with an odds ratio of 0.62 (CI 0.16 - 2.4). In ADHD-SOI,
 mean (\pm SD) DLMO ($21:38 \pm 0:50$ h), sleep onset ($22:17 \pm 0:46$ h),
 and sleep duration ($9:26 \pm 0:41$ h) were not significantly related to
 the 4-repeat allele frequency. The present findings suggest no association
 between ADHD-related idiopathic chronic sleep onset insomnia and
 the PER3 VNTR polymorphism.

ACCESSION NUMBER: 2006:46097 HCAPLUS
 DOCUMENT NUMBER: 145:5642
 TITLE: No evidence to support an association of PER3 clock
 gene polymorphism with ADHD-related
 idiopathic chronic sleep onset insomnia
 AUTHOR(S): van der Heijden, Kristiaan B.; Blok, Marinus J.; Spee,
 Kim; Archer, Simon N.; Smits, Marcel G.; Curfs,
 Leopold M.; Gunning, W. Boudewijn
 CORPORATE SOURCE: Department of Child and Adolescent Psychiatry,
 University of Amsterdam, Amsterdam, Neth.
 SOURCE: Biological Rhythm Research (2005), 36(5), 381-388
 CODEN: BRHREI; ISSN: 0929-1016
 PUBLISHER: Taylor & Francis Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN
 AB The invention discloses a method for controlling feelings of pain in
 infants or diseased or elderly persons using a complete nutrition or a
 nutritional supplement. The method comprises administering increased
 levels of folic acid, vitamin B6 and vitamin B12 or their functional
 equivalent
 ACCESSION NUMBER: 2005:1224671 HCAPLUS
 DOCUMENT NUMBER: 143:452903
 TITLE: Nutritional composition for relieving discomfort

INVENTOR(S): Hageman, Robert Johan Joseph; Bindels, Jacob Geert
 PATENT ASSIGNEE(S): Neth.
 SOURCE: U.S. Pat. Appl. Publ., 10 pp., Cont.-in-part of U.S
 Ser. No. 889,793.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050256031	A1	20051117	US 2005-125201	20050510
EP 951842	A2	19991027	EP 1999-201359	19990429
EP 951842	A3	19991222		
EP 951842	B1	20021204		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
WO 2000043013	A1	20000727	WO 2000-NL42	20000120
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6900180	B1	20050531	US 2001-889793	20011024
US 20080145451	A1	20080619	US 2008-33379	20080219
PRIORITY APPLN. INFO.:				
			EP 1999-200166	A 19990120
			EP 1999-201359	A 19990429
			WO 2000-NL42	W 20000120
			US 2001-889793	A2 20011024
			US 2005-125201	A3 20050510

L3 ANSWER 5 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN
 AB The invention relates to the combined use of Me phenidate and at least one of melatonin, a melatonin analog, or a pharmaceutically acceptable salt thereof in the treatment of attention deficit hyperactive disorder (ADHD). Methylphenidate and melatonin or its analog may be used together or in combination with one or more other active ingredients, and is preferably formulated as a composition for controlled release.

ACCESSION NUMBER: 2004:287781 HCAPLUS
 DOCUMENT NUMBER: 140:281402
 TITLE: Combined use of methylphenidate and melatonin for treating attention-deficit hyperactive disorder
 INVENTOR(S): Kruisinga, Roelof Johannes Hendrik
 PATENT ASSIGNEE(S): Pooger Properties Limited, UK
 SOURCE: PCT Int. Appl., 13 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004028532	A1	20040408	WO 2003-EP10827	20030926
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,				

LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
 OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
 TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 CA 2500198 A1 20040408 CA 2003-2500198 20030926
 AU 2003270292 A1 20040419 AU 2003-270292 20030926
 EP 1545511 A1 20050629 EP 2003-750659 20030926
 EP 1545511 B1 20070509
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 AT 361747 T 20070615 AT 2003-750659 20030926
 ES 2287512 T3 20071216 ES 2003-750659 20030926
 US 20060167050 A1 20060727 US 2006-529341 20060213
 PRIORITY APPLN. INFO.: EP 2002-21810 A 20020926
 WO 2003-EP10827 W 20030926
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN
 AB The selective norepinephrine (NE) transporter inhibitor atomoxetine
 (formerly called tomoxetine or LY139603) has been shown to alleviate
 symptoms in Attention Deficit/Hyperactivity Disorder (ADHD). We
 investigated the mechanism of action of atomoxetine in ADHD by
 evaluating the interaction of atomoxetine with monoamine transporters the
 effects on extracellular levels of monoamines, and the expression of the
 neuronal activity marker Fos in brain regions. Atomoxetine inhibited
 binding of radioligands to clonal cell lines transfected with human NE,
 serotonin (5-HT) and dopamine (DA) transporters with dissociation consts. (K_i)
 values of 5, 77 and 1451 nM, resp., demonstrating selectivity for NE
 transporters. In microdialysis studies, atomoxetine increased
 extracellular (EX) levels of NE in prefrontal cortex (PFC) 3-fold, but did
 not alter 5-HT₂ levels. Atomoxetine also increased DAEX concns. in PFC
 3-fold, but did not alter DAEX in striatum or nucleus accumbens. In
 contrast, the psychostimulant methylphenidate, which is used in
 ADHD therapy, increased NEEX and DAEX equally in PFC, but also
 increased DAEX in the striatum and nucleus accumbens to the same level.
 The expression of the neuronal activity marker Fos was increased 3.7-fold
 in PFC by atomoxetine administration, but was not increased in the
 striatum or nucleus accumbens, consistent with the regional distribution
 of increased DAEX. We hypothesize that the atomoxetine-induced increase
 of catecholamines in PFC, a region involved in attention and memory,
 mediates the therapeutic effects of atomoxetine in ADHD. In
 contrast to methylphenidate, atomoxetine did not increase DA in striatum
 or nucleus accumbens, suggesting it would not have motoric or drug abuse
 liabilities.

ACCESSION NUMBER: 2002:878171 HCAPLUS
 DOCUMENT NUMBER: 139:750
 TITLE: Atomoxetine increases extracellular levels of
 norepinephrine and dopamine in prefrontal cortex of
 rat: a potential mechanism for efficacy in Attention
 Deficit/Hyperactivity Disorder
 AUTHOR(S): Bymaster, Frank P.; Katner, Jason S.; Nelson, David
 L.; Hemrick-Luecke, Susan K.; Threlkeld, Penny G.;
 Heiligenstein, John H.; Morin, S. Michelle; Gehlert,
 Donald R.; Perry, Kenneth W.
 CORPORATE SOURCE: Neuroscience Research Division, Lilly Research
 Laboratories, Indianapolis, IN, USA
 SOURCE: Neuropsychopharmacology (2002), 27(5), 699-711
 CODEN: NEROEW; ISSN: 0893-133X

PUBLISHER: Elsevier Science Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 88 THERE ARE 88 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 7 HCAPLUS COPYRIGHT 2008 ACS on STN
AB The present invention relates to the use of at least one of
melatonin, a melatonin analog, or a pharmaceutically
acceptable salt thereof in the treatment of attention deficit-
hyperactivity disorder (ADHD). Melatonin or its
analog may be used alone or in combination with one or more other active
ingredients, and is preferably formulated as a composition for controlled
release.

ACCESSION NUMBER: 2002:754208 HCAPLUS
DOCUMENT NUMBER: 137:268465
TITLE: Use of melatonin in the manufacture of a
medicament for treating attention deficit-
hyperactivity disorder

INVENTOR(S): Kruisinga, Roelof Johannes Hendrik
PATENT ASSIGNEE(S): Pooger Properties Limited, UK
SOURCE: PCT Int. Appl., 14 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002076452	A1	20021003	WO 2002-EP3317	20020322
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1243265	A1	20020925	EP 2001-201094	20010322
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CA 2357114	A1	20020922	CA 2001-2357114	20010906
AU 2002242734	A1	20021008	AU 2002-242734	20020322
EP 1370259	A1	20031217	EP 2002-708364	20020322
EP 1370259	B1	20070117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004524344	T	20040812	JP 2002-574967	20020322
ES 2280510	T3	20070916	ES 2002-708364	20020322
US 20040097577	A1	20040520	US 2003-472029	20031118
PRIORITY APPLN. INFO.:			EP 2001-201094	A 20010322
			WO 2002-EP3317	W 20020322
REFERENCE COUNT: 2			THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT	

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	106.40	106.61
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-6.40	-6.40

STN INTERNATIONAL LOGOFF AT 12:39:36 ON 07 AUG 2008